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SEQUENCE LISTING

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<120> RFRP Receptor Antagonist

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<150> PCT/JP2004/003496

<151> 2004-03-16

<150> JP 2003-72709

<151> 2003-03-17

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<211> 430

<212> PRT

<213> Human

<220>

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			20					25					30		
Ser	Ser	Tyr	Tyr	Gln	His	Thr	Ser	Pro	Val	Ala	Ala	Met	Phe	Ile	Val
		35				40						45			
Ala	Tyr	Ala	Leu	Ile	Phe	Leu	Leu	Cys	Met	Val	Gly	Asn	Thr	Leu	Val
	50					55					60				
Cys	Phe	Ile	Val	Leu	Lys	Asn	Arg	His	Met	His	Thr	Val	Thr	Asn	Met
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Phe	Ile	Leu	Asn	Leu	Ala	Val	Ser	Asp	Leu	Leu	Val	Gly	Ile	Phe	Cys
			85						90					95	
Met	Pro	Thr	Thr	Leu	Val	Asp	Asn	Leu	Ile	Thr	Gly	Trp	Pro	Phe	Asp
			100					105						110	
Asn	Ala	Thr	Cys	Lys	Met	Ser	Gly	Leu	Val	Gln	Gly	Met	Ser	Val	Ser
		115					120					125			
Ala	Ser	Val	Phe	Thr	Leu	Val	Ala	Ile	Ala	Val	Glu	Arg	Phe	Arg	Cys
	130					135					140				
Ile	Val	His	Pro	Phe	Arg	Glu	Lys	Leu	Thr	Leu	Arg	Lys	Ala	Leu	Val
145					150					155					160
Thr	Ile	Ala	Val	Ile	Trp	Ala	Leu	Ala	Leu	Leu	Ile	Met	Cys	Pro	Ser
			165					170					175		
Ala	Val	Thr	Leu	Thr	Val	Thr	Arg	Glu	Glu	His	His	Phe	Met	Val	Asp
			180					185						190	

Ala	Arg	Asn	Arg	Ser	Tyr	Pro	Leu	Tyr	Ser	Cys	Trp	Glu	Ala	Trp	Pro
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225					230					235					240
Arg	Lys	Leu	Cys	Gln	Ala	Pro	Gly	Pro	Ala	Pro	Gly	Gly	Glu	Glu	Ala
			245					250						255	
Ala	Asp	Pro	Arg	Ala	Ser	Arg	Arg	Arg	Ala	Arg	Val	Val	His	Met	Leu
			260					265					270		
Val	Met	Val	Ala	Leu	Phe	Phe	Thr	Leu	Ser	Trp	Leu	Pro	Leu	Trp	Ala
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	290				295						300				
Leu	Val	Thr	Val	Tyr	Ala	Phe	Pro	Phe	Ala	His	Trp	Leu	Ala	Phe	Phe
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Asn	Ser	Ser	Ala	Asn	Pro	Ile	Ile	Tyr	Gly	Tyr	Phe	Asn	Glu	Asn	Phe
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Arg	Arg	Gly	Phe	Gln	Ala	Ala	Phe	Arg	Ala	Arg	Leu	Cys	Pro	Arg	Pro
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	355						360					365			
His	Arg	Arg	Val	Phe	Val	Val	Val	Arg	Pro	Ser	Asp	Ser	Gly	Leu	Pro
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Ser	Glu	Ser	Gly	Pro	Ser	Ser	Gly	Ala	Pro	Arg	Pro	Gly	Arg	Leu	Pro
385					390					395					400
Leu	Arg	Asn	Gly	Arg	Val	Ala	His	His	Gly	Leu	Pro	Arg	Glu	Gly	Pro
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<212> PRT

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<400> 2

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		20						25					30		
Ser	Ser	Tyr	Tyr	Gln	His	Ser	Ser	Pro	Val	Ala	Ala	Met	Phe	Ile	Ala
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Ala	Tyr	Val	Leu	Ile	Phe	Leu	Leu	Cys	Met	Val	Gly	Asn	Thr	Leu	Val
	50					55				60					
Cys	Phe	Ile	Val	Leu	Lys	Asn	Arg	His	Met	Arg	Thr	Val	Thr	Asn	Met
65					70					75				80	
Phe	Ile	Leu	Asn	Leu	Ala	Val	Ser	Asp	Leu	Leu	Val	Gly	Ile	Phe	Cys
			85						90					95	
Met	Pro	Thr	Thr	Leu	Val	Asp	Asn	Leu	Ile	Thr	Gly	Trp	Pro	Phe	Asp
			100					105					110		
Asn	Ala	Thr	Cys	Lys	Met	Ser	Gly	Leu	Val	Gln	Gly	Met	Ser	Val	Ser
		115					120					125			
Ala	Ser	Val	Phe	Thr	Leu	Val	Ala	Ile	Ala	Val	Glu	Arg	Phe	Arg	Cys
	130					135					140				

Ile	Val	His	Pro	Phe	Arg	Glu	Lys	Leu	Thr	Leu	Arg	Lys	Ala	Leu	Phe
145					150					155					160
Thr	Ile	Ala	Val	Ile	Trp	Ala	Leu	Ala	Leu	Leu	Ile	Met	Cys	Pro	Ser
				165						170					175
Ala	Val	Thr	Leu	Thr	Val	Thr	Arg	Glu	Glu	His	His	Phe	Met	Leu	Asp
			180					185					190		
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225					230					235					240
Arg	Lys	Leu	Cys	Gln	Ala	Pro	Gly	Pro	Ala	Arg	Asp	Thr	Glu	Glu	Ala
				245					250					255	
Val	Ala	Glu	Gly	Gly	Arg	Thr	Ser	Arg	Arg	Arg	Ala	Arg	Val	Val	His
			260					265					270		
Met	Leu	Val	Met	Val	Ala	Leu	Phe	Phe	Thr	Leu	Ser	Trp	Leu	Pro	Leu
		275					280					285			
Trp	Val	Leu	Leu	Leu	Leu	Ile	Asp	Tyr	Gly	Glu	Leu	Ser	Glu	Leu	Gln
	290					295					300				
Leu	His	Leu	Leu	Ser	Val	Tyr	Ala	Phe	Pro	Leu	Ala	His	Trp	Leu	Ala
305					310					315					320
Phe	Phe	His	Ser	Ser	Ala	Asn	Pro	Ile	Ile	Tyr	Gly	Tyr	Phe	Asn	Glu
				325					330					335	
Asn	Phe	Arg	Arg	Gly	Phe	Gln	Ala	Ala	Phe	Arg	Ala	Gln	Leu	Cys	Trp
			340					345					350		
Pro	Pro	Trp	Ala	Ala	His	Lys	Gln	Ala	Tyr	Ser	Glu	Arg	Pro	Asn	Arg
		355					360					365			
Leu	Leu	Arg	Arg	Arg	Val	Val	Val	Asp	Val	Gln	Pro	Ser	Asp	Ser	Gly
	370					375				380					
Leu	Pro	Ser	Glu	Ser	Gly	Pro	Ser	Ser	Gly	Val	Pro	Gly	Pro	Gly	Arg
385					390					395					400
Leu	Pro	Leu	Arg	Asn	Gly	Arg	Val	Ala	His	Gln	Asp	Gly	Pro	Gly	Glu
				405					410					415	
Gly	Pro	Gly	Cys	Asn	His	Met	Pro	Leu	Thr	Ile	Pro	Ala	Trp	Asn	Ile
		420						425					430		

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<212> PRT

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<400> 3

Met	Glu	Ile	Ile	Ser	Ser	Lys	Leu	Phe	Ile	Leu	Leu	Thr	Leu	Ala	Thr
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			20					25					30		
Ser	Asn	Leu	His	Ser	Lys	Glu	Asn	Tyr	Asp	Lys	Tyr	Ser	Glu	Pro	Arg
		35					40					45			
Gly	Tyr	Pro	Lys	Gly	Glu	Arg	Ser	Leu	Asn	Phe	Glu	Glu	Leu	Lys	Asp
	50					55					60				
Trp	Gly	Pro	Lys	Asn	Val	Ile	Lys	Met	Ser	Thr	Pro	Ala	Val	Asn	Lys
65					70					75					80
Met	Pro	His	Ser	Phe	Ala	Asn	Leu	Pro	Leu	Arg	Phe	Gly	Arg	Asn	Val
				85					90					95	

Gln	Glu	Glu	Arg	Ser	Ala	Gly	Ala	Thr	Ala	Asn	Leu	Pro	Leu	Arg	Ser
			100					105					110		
Gly	Arg	Asn	Met	Glu	Val	Ser	Leu	Val	Arg	Arg	Val	Pro	Asn	Leu	Pro
		115					120					125			
Gln	Arg	Phe	Gly	Arg	Thr	Thr	Thr	Ala	Lys	Ser	Val	Cys	Arg	Met	Leu
	130					135					140				
Ser	Asp	Leu	Cys	Gln	Gly	Ser	Met	His	Ser	Pro	Cys	Ala	Asn	Asp	Leu
145					150					155					160
Phe	Tyr	Ser	Met	Thr	Cys	Gln	His	Gln	Glu	Ile	Gln	Asn	Pro	Asp	Gln
				165					170					175	
Lys	Gln	Ser	Arg												
			180												